

## Active Recombinant Cynomolgus ERBB2, His-tagged

**Cat. No.** ERBB2-206C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Cynomolgus ERBB2 Protein (1-652aa, Rhesus ERBB2 XP_001090430.1 with Asp121Asn/Leu122Pro mutation, similar to Macaca fascicularis ERBB2 EHH58073.1), was expressed in HEK293 with C-terminal polyhistidine tag.            |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-652 aa                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4                                                                                                                                                                                                  |
| <b>Bio-activity</b>     | Immobilized Her2/ERBB2 Protein, Cynomolgus, Recombinant (His Tag) at 2 µg/ml (100 µl/well) can bind Anti-ErbB2 Antibody (Trastuzumab), the EC50 is 6-40 ng/mL.                                                                        |
| <b>Molecular Mass</b>   | The recombinant cynomolgus ERBB2 comprises 641 amino acids and has a calculated molecular mass of 70.8 KDa. The apparent molecular mass of it is approximately 80-105 KDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                        |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC.                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage**

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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